

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20070273866"	US-PGPUB; USPAT	OR	ON	2008/02/08 15:46
S2	1676	(strand\$2 or yarn) with vibrat\$4	US-PGPUB; USPAT	OR	ON	2008/02/13 19:24
S3	108	S2 and ((optic\$3 or photo) with (detect\$4 or sens\$4))	US-PGPUB; USPAT	OR	ON	2008/02/13 19:25
S4	6256	(strand\$2 or cable) with vibrat\$4	US-PGPUB; USPAT	OR	ON	2008/02/13 19:31
S5	670	S4 and ((optic\$3 or photo) with (detect\$4 or sens\$4))	US-PGPUB; USPAT	OR	ON	2008/02/13 19:31
S6	91	(vibrat\$4 near detect \$4) with (strand\$2 or cable\$2)	US-PGPUB; USPAT	OR	ON	2008/02/13 19:34
S7	36	S6 and (photo or optic \$2)	US-PGPUB; USPAT	OR	ON	2008/02/13 19:39
S8	1	((metal or steel) near strand\$2) with ((optic \$3 or photo) near sensor\$2)	US-PGPUB; USPAT	OR	ON	2008/02/13 19:43
S9	0	((metal or steel) near strand\$2) with ((optic \$3 or photo) near detector\$2)	US-PGPUB; USPAT	OR	ON	2008/02/13 19:44
S10	1	("4294545").PN.	USPAT	OR	OFF	2008/02/13 19:47
S11	125	tension with ((photo or optic\$3) near detect \$4)	US-PGPUB; USPAT	OR	ON	2008/02/14 19:35
S12	11	("2618970"   "2744408"   "3273380"   "3854329"   "4376368"   "4393725"   "4445322"   "4692615").PN.	US-PGPUB; USPAT; USOOR	OR	ON	2008/02/14 19:41
S13	1	("4294545").PN.	USPAT	OR	OFF	2008/02/14 19:47

S14	18	(strand with vibrat\$4 same ((optic\$4 or photo) with (detect\$4 or sens\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 17:49
S15	42	(strand with (vibrat\$4 or tension)) same ((optic\$4 or photo) with (detect\$4 or sens\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 17:54
S16	24	S15 not S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 17:55
S17	3	(strand with (vibrat\$4 or tension)) same ((optic\$4 or photo) with (inspect\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 18:13
S18	30	(light adj emitter\$2) with strand\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 18:31
S19	41	(light adj emitter\$2) with yarn\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 18:35
S20	54	(light adj (detectors or sensors) with yarn\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 19:02
S21	4	((detectors or sensors) near array) with yarn\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 19:07
S22	6	(linear adj (detector or sensor)) with yarn\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 19:19
S23	43	(linear adj (detector or sensor)) with (strand\$2 or cable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 19:31

S24	2011	(yarn with tension) with (detect\$4 or sens\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 19:51
S25	4	(yarn with (stress or strain)) with ((optic\$4 or photo) near (detect\$4 or sens\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 20:00
S26	1	("4294545").PN.	USPAT	OR	OFF	2008/02/20 20:13
S27	1	("5113708").PN.	USPAT	OR	OFF	2008/02/20 20:19
S28	16	(strand\$2 with (tension or stress)) and (detector near array)	US-PGPUB; USPAT	OR	ON	2008/02/25 14:44
S29	98	(cable\$2 with (tension or stress)) and (detector near array)	US-PGPUB; USPAT	OR	ON	2008/02/25 14:46
S30	1461	((cable\$2 or strand\$2) with (tension or stress)) with (measur\$5)	US-PGPUB; USPAT	OR	ON	2008/02/25 14:48
S31	3	("4213056"   "5671061"   "5910187").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/25 15:18
S32	200	250/559.01.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/25 16:25
S33	74	250/559.11.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/25 16:25
S34	64	250/559.15.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/25 16:25
S35	120	356/238.1.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/25 19:03
S36	97	356/238.2.ccls.	US-PGPUB; USPAT	OR	ON	2008/02/25 19:03
S37	6561	(tension with (wire\$2 or strand\$2 or thread\$2)) and (optic\$4 or photo)	US-PGPUB; USPAT	OR	ON	2008/02/27 12:18
S38	1027	(tension with (wire\$2 or strand\$2 or thread\$2)) same (optic\$4 or photo)	US-PGPUB; USPAT	OR	ON	2008/02/27 12:19
S39	71	(tension with (wire\$2 or strand\$2 or thread\$2)) same (photo)	US-PGPUB; USPAT	OR	ON	2008/02/27 12:23

S40	2273	(tension with (wire\$2 or strand\$2 or thread \$2)) with (measur\$5 or detect\$4)	US-PGPUB; USPAT	OR	ON	2008/02/27 12:24
S41	309	S40 and (photo or cod or (optical adj (detect \$4 or receiver)))	US-PGPUB; USPAT	OR	ON	2008/02/27 12:37
S42	32	(tension with (wire\$2 or strand\$2 or thread \$2)) and (linear with cod)	US-PGPUB; USPAT	OR	ON	2008/02/27 13:48
S43	98	(yarn or strand) with ((natural or resonant) near frequency)	US-PGPUB; USPAT	OR	ON	2008/02/27 14:00
S44	198	242/413.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/29 14:22
S45	212	242/412.2.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/29 14:22
S46	226	73/54.41.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/29 14:22
S47	1303	73/597.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/29 14:23
S48	208	73/796.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/29 14:23
S49	383	73/862.59.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/29 14:23
S50	166	73/862.41.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/29 14:23

S51	2664	S44 or S45 or S46 or S47 or S48 or S49 or S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/29 14:23
S52	409	S51 and (tension with (detect\$4 or sens\$4 or measur\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/29 14:24
S53	85	S52 and (optic\$4 or photo)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/29 14:26
S54	1035989	tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/29 14:34
S55	19085	(tension).clm.	US-PGPUB	OR	ON	2008/02/29 14:34
S56	4065	S55 and (strand or wire or thread or fiber).clm.	US-PGPUB	OR	ON	2008/02/29 14:35
S57	152	S56 and (vibrat\$4).clm.	US-PGPUB	OR	ON	2008/02/29 14:36
S59	52	S57 and (detect\$4 or sens\$4 or measur\$5).clm.	US-PGPUB	OR	ON	2008/02/29 14:38
S60	2	S59 and (incident with (radiation or light)).clm.	US-PGPUB	OR	ON	2008/02/29 14:40
S63	11	S51 and S55	US-PGPUB	OR	ON	2008/02/29 14:42
S64	0	S63 and S56	US-PGPUB	OR	ON	2008/02/29 14:43
S65	259	356/35.5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/29 16:58
S66	19085	(tension).clm.	US-PGPUB	OR	ON	2008/02/29 17:00
S67	1	S65 and S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/29 17:00

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	219	250/559.01.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/22 22:43
L2	107	356/238.2.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/22 22:44
L6	188595	(tension or vibrat\$4). clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/22 22:48
L7	28933	L6 and (strand or wire or thread or fiber).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/22 22:48
L13	8719	L7 and (detect\$4 or measur\$4 or sens\$4 or monitor\$4 or optic\$3 or photo).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/22 22:55
L14	226	L13 and (incident with (radiation or light or beam\$2)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/22 22:55
L15	70	L14 and (calculate or determine).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/22 22:57
L23	10	L15 and (output near signal).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/22 23:06
L24	8	L23 and (characteristic \$2 or propert\$4).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/22 23:07
L25	19	(L1 or L2) and L6	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/22 23:09
L26	8	L25 and L7	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/22 23:09
L27	8	L26 and L13	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/22 23:10
L28	1	L27 and L14	US-PGPUB; USPAT; UPAD	OR	ON	2010/09/22 23:10

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